

Silicone
oil is
tackifier

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TITLE: Electrophotographic transfer component - with tackifier layer produced by adding curing agent and tackifier to room temp. curing or heat fusing liq. silicone rubber

PATENT-ASSIGNEE:

ASSIGNEE

CODE

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ABSTRACTED-PUB-NO: JP57019753A

BASIC-ABSTRACT:

Electrophotographic transfer component contains a tackifier layer which is produced by adding a curing agent and tackifier to (A) two-parts addn. type room temp.-curing or heat-fusing silicone liq. raw rubber, applying the mixt. to one side of a base and then curing the coated layer at room temp. or under heating. The tackifier is (a) mono- or two-bath condensn. type silicone varnish, opt. modified, (b) two-bath condensn. type room-temp.-curing or heat-curing silicone liq. raw rubber, (c) methyl-, phenyl-, vinyl-, phenylvinyl-, fluoro or nitrile- silicone solid raw rubber of (d) silicone oil having a viscosity of above 10,000 cP.

The components (a) are, e.g., methylsilicone varnish or methylphenyl silicon varnish. The component (b) consists of diorgano polysiloxane e.g., OH gp.-sealed dimethyl polysiloxane, a crosslinking agent and opt. filler. The components (c) are, e.g., diorganopolysiloxane, methyl silicone raw rubber, vinyl silicone raw rubber, etc. The components (d) are, e.g., methylsilicone oil, methylphenyl silicone oil, etc. The raw rubber (A) consists of diorganopolysiloxane, crosslinking agent and if necessary filler. The curing agents are, e.g., Pd, Pt, platinum carbon, etc. The amt. of tackifier is 2-90, esp. 3-70 wt.% in the component.

The electrophotographic transfer component has continuous tackiness, and is suitable for transfer of toner. It has good releasing properties and excellent cleaning properties.

TITLE-TERMS: ELECTROPHOTOGRAPHIC TRANSFER COMPONENT TACKIFIER LAYER PRODUCE ADD CURE AGENT TACKIFIER ROOM TEMPERATURE CURE HEAT FUSE LIQUID SILICONE RUBBER

ADDL-INDEXING-TERMS:

POLYSILOXANE PLATINUM@ PALLADIUM@

DERWENT-CLASS: A26 A89 G08 P84